

## ABSTRACT

Disclosed is a novel rayon fiber which possesses characteristics similar to those of a viscose rayon fiber as to be suitable for use in clothes in addition to being produced at an economical cost. The rayon fiber is prepared from a cellulose acetate fiber with a degree of substitution of 2.0 or higher by saponifying 75 % or greater of the total acetyl groups of the cellulose acetate fiber into hydroxyl groups and has a composite crystalline structure of cellulose II and IV.